Electrical World

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GAP has found fundamental and serious errors in Bureau of Mines estimates of country's coal reserves Apr 15 63
Illinois State Geological Survey: Top coal study group may be dying June 15 41
Iowa's rural electric cooperative must join the rush to own coal if they are to survive Feb 1 52
Kaiser Steel intends to supply Arizona's Salt River Project with 500,000 tons/hr of coal for 25 years Jan 1 45
Legislation that would permit slurry pipelines to seek the right of eminent domain in competing with railroads to transport coal approved by House Apr 1 49
Mining companies and investor groups are looking into North Carolina coal deposits that haven't been mined since 1920s May 1 76
National Coal Assn: Coal industry will mine 730 million tons of bituminous coal this year Jan 15 17
National Coal Assn: A new federal interagency coal task force is being created June 15 13
National Coal Assn's Carl Bagge: Administration's budget is not consistent with nation's need to increase its reliance on coal rapidly May 15 120
Navajo Tribal Council: Electric utilities and their coal suppliers will be hit by business activities tax enacted by Navajo Tribal Council June 1 9

North Carolina Electric Membership Corp: Muni burns pot; co-ops want to burn peat Mar 1 24
Northern Indiana PS: FGD facility produces industrial sulfur Feb 1 50
NRC report on health effects: Nuclear fuel cycle is considerably less harmful to humans than the coal fuel cycle Feb 1 34
Ohio Edison: Utilities affected by coal strike try to recover fuel and wheeling costs from customers Apr 15 23
Ohio Electric Co: Slot tramp iron pocket cuts coal granulator maintenance Apr 15 90
Ohio Senate passes bill intended to increase use of Ohio mined coal and give state government more control over energy Feb 1 52
Pacific G&E: California's first coal-fired plant planned Feb 15 27
Pennsylvania P&L: Large anthracite plants are not competitive with soft coal plants June 1 15
Pennsylvania P&L: Utility stockholders absorb excess cost of low production at a captive coal mine which boosts per ton costs above its norm May 15 19
Pennsylvania P&L: Utility sues 16 anthracite producers May 1 35
Public Service Electric & Gas (NJ): Chemical deicer eases coal freezing problems Apr 1 59
Pullman looks to expand its Master Coal Service Agreement with Southwestern PS to other utilities June 1 15
Salt River Project: Public utilities battle for plant site in Utah Jan 15 23
Slurry Transport Assn: Both coal slurry pipeline enthusiasts and railroads are cheered by a report to Congress from its Office of Technology Assessment Feb 1 17
Southern Colorado Power Co: Utility blends sawdust with coal to curb pollution and improve operation efficiency at 42-MW plant May 15 19
Stone & Webster: Design criteria for a standard coal fired plant for 10 western utilities are under development Feb 1 52
Stone & Webster: A standard design coal fired plant being developed for 10 western utilities Jan 1 17
Stone & Webster: Western coal and Arkansas lignite may battle each other for a market share in south after 1985 May 1 76
Texas Utilities moves on lignite, uranium programs Apr 15 32
Trans Gulf Pipeline: It is receiving favorable responses from nine southeastern utilities for a proposed coal slurry pipeline Apr 1 49
United Kingdom's Darrek Crouch, a large strip mine operator, is buying controlling interest in some Pennsylvania coal properties May 1 76
United Mine Workers: Utilities fat with coal as miners strike Jan 1 25
Utilities projected increased use of coal will have a major impact on US chemical industry May 1 76
Utilities protest court mandate that retards western coal leasing by Interior Mar 15 22
Washington Comment: Triumph for an odd couple Mar 1 6
Westinghouse: Two major drawbacks to gasifying eastern coals have been overcome in small scale testing at Westinghouse's coal gasification test unit May 15 19
Wichita (Kan) voters kill coal gasification bond authorization May 1 24
Wisconsin P&L: Intends to challenge Montana's 30% coal severance tax Mar 1 49

FUEL--GAS

Energy tax bill hinges on gas bill passage May 1 33

FUEL--METHANOL

1980s will see major emergence of new industrial and commercial fuel--methanol Jan 1 45

FUEL--NUCLEAR

Babcock & Wilcox: Upgrading nuclear fuel management Jan 1 43
DOE to initiate a revolving fund for its nuclear fuel enrichment service Feb 1 34
NRC reports on health effects: Nuclear fuel cycle is considerably less harmful to humans than the coal fuel cycle Feb 1 34
Oil and nuclear fuel companies should not be barred from acquiring or retaining coal properties June 15 13

FUEL--OIL

Draft environmental impact statement on proposed Dickey-Lincoln hydroelectric project reviewed and endorsed by Sen Kennedy Jan 1 45
Oil and nuclear fuel companies should not be barred from acquiring or retaining coal properties June15 13
Southern California Air Quality Management District approves conditionally construction of proposed Standard Oil of Ohio terminal at Long Beach Feb 15 48
Stanford Research Institute: Biomass energy conversion of agricultural residues could supply the equivalent of 1.3-million bbl of oil a day Apr 15 63
Wisconsin Electric Power: Thinks an oil pipeline may be preferable to truck deliveries to supply oil to its power plant under construction at Germantown Jan 1 45

FUEL--URANIUM

DOE study shows uranium mining boom June 1 25
Exxon Nuclear Co scientists believe they have

Portland GE: Oregon PUC slashes nearly a third from Portland GE's rate increase request and refuses to pass on to ratepayers increased costs for its new headquarters complex Jan 1 9
San Diego G&E: Who killed Sundesert? June 1 9
STATISTICAL REPORT:

GNP to break $2-trillion, but economy still struggles Mar 15 76
Capital expenditures aim for $32.8 billion total in 1978 Mar 15 79
East North Central holds commanding spending lead Mar 15 81
Capital expenditures: 1977 Electric utility capital spending Mar 15 82
Capital expenditures: 1978 electric utility capital spending Mar 15 83
T&D Construction: Transmission costs unsteady, distribution shows growth Mar 15 85
T&D Capital expenditures: 1977 & 1978 New expenditures for lines and substations Mar 15 86-87
T&D Construction: 1977 & 1978 New Lines and substation energized Mar 15 88-89
Capability: Generation growth is still lagging Mar 15 90
Capability: Future electric generating capability by regions, Mw Mar 15 92
Participation in joint generating units still high; 78 scheduled Mar 15 93
Installed capacity of utility generating plants by state and type Mar 15 95
Maintenance: Repair spending will top $5-billion Mar 15 96
Electric plant maintenance Mar 15 96-97
Sales: Revenues jump 17.5% on 5.4% increase in sales Mar 15 98-99
Financial: Utility income may be up, but industry isn't out of woods yet Mar 15 100-101
Financial: Investor-owned electric utilities combined balance sheets Mar 15 102
Co-ops: Co-ops sales still strong, but construction sags Mar 15 103
Annual statistics of REA-financed systems for calendar years Mar 15 103
Canada: Canadian utilities plan for rebound during 1978 Mar 15 104
Tennessee River Valley Assn drafts proposal to allow local governments to finance construction of future TVA power plants Feb 15 19
TVA fiscal 1979 budget includes $53 million for R&D and demonstration Feb 15 19
Texas Utilities System: The tailspin in bond ratings Feb 15 41
Touche Ross & Co: Distrust of management motives may be the reason behind stockholders questions at this year's annual meetings Apr 1 8
National Rural Utilities Cooperative Finance Corp: US Dept of Agricultura approves 2% loans to seven co-ops totalling $14.7-million June 15 16
Utility capital spending rebounds Feb 15 11

VEPCO: SEC presses VEPCO to strengthen reporting procedures for disclosing to shareholders the outside financial interests of members of the board of directors May 15 20
Washington Public Power Supply System: Construction impact payments totaling $4.5-million will be available to 11 taxing districts through 1983 in Tri Cities area under proposal made by WPPSS May 15 19
Washington Public Power Supply System: Financing for five nuclear power plants being held up by a lawsuit in which the city of Portland is suing BPA Jan 15 17
Wisconsin: State court limits expanded fuel clauses Feb 1 34
World business: Two big problems Feb 1 9

FORECASTS

Combustion Engineering forecasts some 450,000 MW of new capacity will be installed in US from 1976 to 1990 May 1 21
NEMA Survey: NEMA foresees lower equipment needs Apr 1 30
World business: Two big problems Feb 1 9

FOREIGN

We have a choice--let's take it (William C. Hayes' Dept of Commerce Trip behind the Iron Curtain) Jan 15 5

FOREIGN--ARGENTINA

Argentina's National Atomic Energy Commission plans to build 15 nuclear reactors by the end of the century Mar 15 32

FOREIGN--BELGIUM

Communicating in a nuclear plant May 15 48

FOREIGN--CANADA

Canada launches energy conservation program for major household electrical appliances June 15 15
Hydro Quebec: $1.25 billion finance plan from Europe Jan 15 9
Hydro Quebec: Quebec imposes a three year moratorium on further nuclear power development Jan 1 17

Manitoba Hydro: Short circuits melt conductor ice buildup Apr 15 68
STATISTICAL REPORT: Canadian utilities plan for rebound during 1978 Mar 15 104
US andCanada have exchanged diplomatic notes on nuclear cooperation that will permit Canadian origin uranium to be used in US nuclear facilities Jan 1 26

FOREIGN--DENMARK

Israel Electric Corp: Ribless insulators shun dirt in arid climes Feb 1 58

FOREIGN--ENGLAND

Britain promises approval of a 2,000 MW dc cable to France Jan 15 17
British government will subsidize the sale of coal to power stations next year June 15 13
British Nuclear Fuels Ltd will transport and reprocess spent nuclear fuel from 10 Japanese utilities at its Windscale plant June 15 13
Coal fired power stations appear to be Great Britain's next generation of conventional power plant design May 15 19
New submarine cable will link British and French May 15 20
United Kingdom's Derrek Crouch, a large strip-mine operator, is buying controlling interest in some Pennsylvania coal properties May 1 76
United Kingdom will proceed with its large Windscale reprocessing plant June 1 13

FOREIGN--FRANCE

Britain promises approval of a 2,000 MW dc cable to France Jan 15 17
French manufacturers hope to break into US nuclear market Jan 15 24
New submarine cable will link British and French grids May 15 20

FOREIGN--GERMANY

Computer designed and advanced construction technology for reinforced concrete chimneys for power plants will be done by Airtek Corp June 15 15
Iran wants to buy six more nuclear reactors from West Germany June 1 13
Ribless insulators shun dirt in arid climes Feb 1 58
West Germany turns aside move to impose a nuclear plant moratorium Jan 1 17

FOREIGN--INDIA

India's government says it will add 21,000 MW of generation capacity by 1983 Jan 1 19
RI performance of 400-kv line evaluated Mar 15 146

FOREIGN--INDONESIA

An integrated fuel treatment system for generation is field tested June 15 15

FOREIGN--IRAN

Iran: Some $500-million in solar heating equipment is ordered by Shah of Iran June 1 16
Iran wants to buy six more nuclear reactors from West Germany June 1 13

FOREIGN--ISRAEL

Israel Electric Corp: Ribless insulators shun dirt in arid climes Feb 1 58
US, Israel, agree on solar exchanges Feb 15 26

FOREIGN--ITALY

Democracy in Italy stymies nuclear siting June 15 25
Production of series of small electric trucks has resulted from successful testing of two electric vehicles by ENEL June 1 16

FOREIGN--JAPAN

British Nuclear Fuels Ltd will transport and reprocess spent nuclear fuel from 10 Japanese utilities at its Windscale plant June 15 13
Computer symbols aid construction Apr 15 70
Japan seeks 219,000 MW capacity by early 1991 Jan 1 20
Japanese utilities switch from FGD to liquid fuel Jan 15 21
Japan's Power Reactor & Nuclear Fuel Development Corp formulates plan for uranium hexafluoride plant with capacity of 200 metric tons/yr Mar 15 32
Tokyo Electric Power Services conducting a feasibility study for 10,000 kw ocean thermal energy conversion plant for Guam Energy Office Apr 15 25

FOREIGN--KOREA

Study of floating nuclear plants around South Korea's coastal area to be made Apr 15 23

FOREIGN--MEXICO

Mexican news media reports that DOE will be charging their government $91-million for storage of enriched uranium held up in US following delay of construction of Laguna Verde nuclear plant Mar 1 25
Mexico and Soviet Union agree to exchange technology on electric power transmission June 15 15
San Diego G&E: Mexico Eyes plan to supply power to US Apr 15 33

FOREIGN--RUSSIA

Mexico and Soviet Union agree to exchange technology on electric power transmission June 15 15

discovered a means to use laser beams for processing of uranium for commercial nuclear plants Jan 15 24
Mexican news media reports that DOE will be charging their government $91-million for storage of enriched uranium held up in US following delay of construction of Laguna Verde nuclear plant Mar 1 25
Portland GE continues its search for uranium ore deposits in western US May 15 26
US and Canada have exchanged diplomatic notes on nuclear cooperation that will permit Canadian origin uranium to be used in US nuclear facilities Jan 1 26
Westinghouse settles with TU and subsidiaries in uranium contract dispute Jan 15 15
Westinghouse wins US appeals court decision ordering Robert W. Adams to answer questions about documents that reportedly refer to an international cartel of uranium producers Mar 1 25

FUEL--WOOD

Pacific G&E studies feasibility of building a power plant fired by wood waste at lumber mill operated by Louisiana Pacific Corp Mar 1 49

FUELS OUTLOOK

Draft environmental impact statement on proposed Dickey Lincoln hydroelectric project reviewed and endorsed by Sen Kennedy; Kaiser Steel intends to supply Arizona's Salt River Project with 500,000 tons/yr of coal for 25 years; Wisconsin Electric Power thinks an oil pipeline may be preferable to truck deliveries to supply oil to its power plant under construction at Germantown; 1980s will see major emergence of new industrial and commercial fuel--methanol; Research on indoor air pollution indicates that air inside a home is often polluted more than air on a smoggy day outdoors Jan 1 45
Stone & Webster: Design criteria for a standard coal fired plant for 10 Western utilities are under development; Ohio Senate passes a bill intended to increase use of Ohio mined coal and give state government more control over energy; Iowa's rural electric cooperatives must join the rush to own coal if they are to survive; Sun Day scheduled for May 3 Feb 1 52

Southern California Air Quality Management District approves conditionally construction of proposed Standard Oil of Ohio terminal at Long Beach; FTC reports automatic fuel adjustment clauses appear to have little impact on prices electric utilities pay for coal; Interim guidelines on solar energy systems that qualify for California's landmark solar tax credit have been adopted by State Energy Resource Conservation & Development Comm Feb 15 48

Wisconsin P&L announces its intention to challenge Montana's 30% coal severance tax; Pacific G&E studies feasibility of building power plant fired by wood waste at lumber mill operated by Louisiana Pacific Corp Mar 1 49

National Coal Assn's Carl Bagge: Administration budget is not consistent with the nation's need to increase its reliance on coal rapidly; Construction costs for coal fired plants rated 1,250 MW or larger estimated to increase in cost; Proposed business activities tax that would be levied against coal and uranium mining and oil and gas companies is under consideration by Navajo Tribal Council Mar 15 120

Legislation that would permit slurry pipelines to seek right of eminent domain in competing with railroads to transport coal was approved by House Interior Committee; Assn of American Railroads told House subcommittee on transportation and commerce that it does not seem that there is any justification in the public interest sense for a government to foster development of coal slurry pipelines; Trans Gulf Pipeline says it is receiving favorable responses from 9 Southeastern utilities for a proposed coal slurry pipeline Apr 1 49

Economics, consumers affairs groups urge FERC to continue releasing information on fuel purchasing data to public; GAO has found fundamental and serious errors in Bureau of Mines estimates of country's coal reserves; Stanford Research Institute: Biomass energy conversion of agricultural residues could supply the equivalent of 1.3 million bbl of oil a day Apr 15 63

Mining companies and investor groups are looking into North Carolina coal deposits that haven't been mined since the 1920s; How much of the delay in US nuclear power growth can be blamed on federal policy; Utilities projected increased use of coal will have a major impact on US chemical industry; United Kingdom's Derrek Crouch, a large strip mine operator, is buying controlling interest in some Pennsylvania coal properties; Projection of coal prices for 1985, a study by Sherman H. Clark Associates; Western coal and Arkansas lignite may battle each other for a market share in south after 1985 May 1 76

Illinois is setting the wheels in motion for what may result in a White House order against Commonwealth Edison's going West for coal to meet state clean air regulations; Using a process pioneered by government research, an in situ coal gasification experiment this summer will be conducted on state leased lands by Atlantic Richfield May 15 51

Illinois State Geological Survey: Top coal study group may be dying June 15 41

FUSES

Wisconsin PS: Quick set cutout bypass tool for fuse coordinating work June 15 62

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GENERATION: CONVENTIONAL

GENERATION: COMBINED CYCLE

Socaled resubmits notice of intent to build combined-cycle plant Mar 15 19

GENERATION: COMBUSTION TURBINE

Curtiss Wright Power Systems: Burning coal: Combined cycle options May 1 74
Electrical World's 2nd annual electric utility technical reference June 1 33
Pacific Gas & Electric: A combined cycle power plant is proposed for west side of Pittsburgh Plant May 15 19
Southern California Edison: A coal gasification combined cycle demonstration project launched by Socaled and Texaco Apr 1 13
STATISTICAL REPORT: Future electric generating capability additions by regions, MW Mar 15 92
STATISTICAL REPORT: Installed capacity of utility generating plants by states and type Mar 15 95

GENERATION: HYDRO

DOE: Decentralized energy systems report on California future energy needs is released May 15 17
DOE forms new Western Area Power Administration to manage the marketing of federal hydro power in 15 states extending from Wisconsin to California and south to part of Texas Jan 15 15
Electrical World's 2nd annual electric utility industry technical reference June 1 33
EPA asks Corps of Engineers to consider resiting Dickey-Lincoln School hydro project Jan 1 19
Exploiting our 'dam' potential May 1 72
Governor avers betrayal on damp permit May 1 36
Nebraska: Hydroelectric power plant may shut down because silt from it is being washed into the Niobrar River May 15 19
Northwest: A single, workable electric power plan for Northwest will soon emerge June 1 13
Nebraska Public Power District: Asks FERC for 1,300 MW pumped storage project on Missouri River Apr 1 16
STATISTICAL REPORT: Future electric generating capability additions by regions, MW Mar 15 92
STATISTICAL REPORT: Installed capacity of utility generating plants by states and type Mar 15 95

GENERATION: STEAM

Alternate site is selected for coal fired Intermountain Power Project June 15 13
Arizona PS: Gets conditional approval from EPA to build another unit at Cholla Feb 1 21
Babcock & Wilcox and EPRI start an R&D program on fluidized bed boilers June 15 15
Black Hills P&L: Direct air cooled power plant condenser at the 330-MW coal fired Wyodak Unit 1 plant in Wyoming is scheduled to go into operation May 15 17
Coal fired power stations appear to be Great Britain's next generation of conventional power plant design May 15 19
Combustion Engineering forecasts some 450,000 MW of new capacity will be installed in US from 1976 to 1990 May 1 21
Commonwealth Edison: Color CRTs improve station efficiency Mar 15 118
Construction plans for coal fired station in Iowa filed by Iowa Illinois G&E May 15 19
Consumers Power: Four men unload 60-car tank train in six hours Mar 1 63
Curtiss Wright Power Systems: Burning coal: Combined cycle options May 1 74
Dayton P&L: Retrofit flue gas ductwork runs through coal bunker Jan 1 62
Delaval Turbine Inc: Eliminating condenser joint failures May 15 49
DOE notifies two Colorado utilities that they may have to switch from natural gas to coal at two generating stations June 15 15
Electrical World's 2nd annual electric utility industry technical reference June 1 33
Georgia Power: Roving crews speed generator repairs Mar 15 161
Germany: Computer designed and advanced construction technology for reinforced concrete chimneys for power plants will be done by Airtek Corp June 15 15
Heat Spy: Tool to ferret out heat losses May 15 23
Indiana Kentucky Electric Corp: Good records control pulverizer M&R costs Feb 15 67
India's government says it will add 21,000 MW of generation capacity by 1983 Jan 1 19
INDONESIA: An integrated fuel treatment system for generation is field tested June 15 15
IEEE Winter Power meeting: Excitation systems compete with computers Mar 1 50
Intermountain Power Project in Utah will study a site near Lynndyl for its 3,000 MW plant May 1 21
Iowa G&T Co-op is considerring construction of large coal fired plant Mar 1 17
Japanese utilities switch from FGD to liquid fuel Jan 15 21
Kentucky Power: Amplifier boosts air signal for bubbler pump control Mar 15 163
Lack of generating capacity that will cause blackouts and brownouts in 2-10 years is predicted June 1 13
Middle South Utilities takes major step to standardize future generating facilities June 1 13
Need for fast feed of good data is critical May 15 23
Northern Indiana PS: FGD facility produces industrial sulfur Feb 1 50
Northwest: A single, workable electric power plan for Northwest will soon emerge June 1 13
Pacific G&E: A combined cycle power plant is proposed by Pacific G&E for west side of Pittsburg Plant May 15 19
Pacific G&E: California's first coal fired plant is planned Feb 15 27
Public Service Co of New Mexico: Reports that significant water savings are possible with addition of polyacrylate to disperse silica that collects as scale on heat transfer surfaces Mar 15 19
Retrofit seal prevents flue gas/leakage Jan 1 61
Salt River Project: Public utilities battle for plant site in Utah Jan 15 23
Solar Turbines International: Cogeneration becoming more attractive Mar 15 119
Southern California Edison: A coal gasification combined cycle demonstration project launched by Socaled and Texaco Apr 1 13
Southern California Edison: A petroleum

coke and coal plant is proposed by Socaled May 15 19
STATISTICAL REPORT: Generation growth still lagging Mar 15 90
STATISTICAL REPORT: Future electric generating capability additions by regions, MW Mar 15 92
STATISTICAL REPORT: Participation in joint generating units still high; 78 scheduled Mar 15 93
STATISTICAL REPORT: Installed capacity of utility generating plants by states and types Mar 15 95
Stone & Webster: A standard design coal fired plant being developed for 10 western utilities Jan 1 17
Stone & Webster: Protecting two speed motors Apr 15 61
Tampa Electric: Recycles its wastewater May 15 50
Twin trussing solves tall precipitator job June 15 59
United Illuminating: Testing for use of Eco Fuel II Apr 15 63
Utah P&L: Expansion of Energy generating station will raise it from two to four 430-MW coal fired units May 15 19
Utility Power Corp will start construction of a new turbine generator plant May 1 21

GENERATION: NON-CONVENTIONAL

GENERATION: GEOTHERMAL

DOE: Decentralized energy system report on California future energy needs is released May 15 17
Electrical World's 2nd annual electric utility industry technical reference June 1 33
Geothermal energy: The expanding Geysers Apr 1 46

Plans by the US Forest Service for geothermal power development at Breitenbush Hot Springs, Ore, are being challenged by the City of Detroit, Ore June 15 15
San Diego G&E: Geothermal expands in all directions Mar 15 31
Southern California Edison: Joint venture searches for geothermal energy at southern tip of Salton Sea May 15 19

GENERATION: NUCLEAR

Babcock & Wilcox: Upgrading nuclear fuel management Jan 1 43
Commonwealth Edison: Color CRTs improve station efficiency Mar 15 118
Communicating in a nuclear plant May 15 48
Con Edison donates 'retired' alternator to MIT Mar 1 48
Decommissioning commercial reactors Feb 15 44
Electrical World's 2nd annual electric utility industry technical reference June 1 33
India's government says it will add 21,000 MW of generation capacity by 1983 Jan 1 19
Lack of generating capacity that will cause blackouts and brownouts in 2-10 years is predicted June 1 13
Need for fast feed of good data is critical May 15 23
Northwest: A single, workable electric power plan for Northwest will soon emerge June 1 13
STATISTICAL REPORT: Generation growth still lagging Mar 15 90
STATISTICAL REPORT: Participation in joint generating units still high; 78 scheduled Mar 15 93
STATISTICAL REPORT: Installed capacity of utility generating plants by states and types Mar 15 95
Nuclear plant survey Jan 15 39
Standardizing reactors: One approach June 15 38

GENERATION: OCEAN GRADIENT

DOE: Decentralized energy system report on California future energy needs is released May 15 17
Electrical World: 2nd annual electric utility industry technical reference June 1 33

GENERATION: SOLAR

Arizona PS: Gets approval to begin design of solar call power plant at Sky Harbor Airport Apr 1 15
Arizona PS: Proposes to build and operate a 500-kW solar call plant Feb 15 17
California PUC: Avoid solar contracting, utilities told Jan 1 25
California: PUC studies solar device marketing May 15 26
Change in solar cells may speed up timetable Jan 1 23
DOE: Decentralized energy system report on California future energy needs is released May 15 17
Effect of solar buildings on peak load Mar 15 150
EPRI reports that 150 electric utilities have 458 solar research projects underway this year June 1 15
Electrical World's 2nd annual electric utility industry technical reference June 1 33
Florida P&L: Two years of solar studies in service area indicate the utility has more flexibility than had been expected in choosing sites for future solar plants June 1 15
General Electric: Mechanical heat storage device could prove to be cost effective solution to problem of storing solar energy Feb 1 21
Interim guidelines on solar energy systems that qualify for California's landmark solar tax credit have been adopted by State Energy Resources Conservation & Development Comm Feb 15 48
Iran: Some $500-million in solar heating equipment is ordered by Shah of Iran June 1 16
LADWP: Would also like DOE funding for design of solar call experimental plant Feb 15 17
Pacific P&L: Solar energy can work in Oregon if a home is well insulated and costs are ignored May 1 23
Sandia Laboratories: Solar test facility nears completion Mar 1 46
Saudi Arabia signs contract to build solar power stations with a French company May 1 24
Solar shootout Feb 1 6
Sun Day scheduled for May 3 Feb 1 52
US, Israel agree on solar exchanges Feb 15 26

GENERATION: WIND POWER

DOE: Decentralized energy system report on California future energy needs is released May 15 17
Electrical World's 2nd annual electric utility industry technical reference June 1 33
Southern California Edison: Exotic energy source gets boost in California June 1 13
Westinghouse: First federally sponsored wind generator for a US community is dedicated at Clayton, NM Feb 15 19

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HEAT PUMP

Carrier Corp: Two speed residential heat pump introduced June 1 15

HONORS

EEI Annual Convention: Edison Award, National Energy Watch Program award, and Engineering Educator award given at convention May 15 29

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INSULATION

Doble Conference: Insulation testing comes under review May 15 54
Babcock & Wilcox Alliance Research Center: Hot box helps set nuclear insulation specs Apr 1 60
Interpace Corp's Lapp Div: Insulation on design aids line compaction June 15 48
Pennsylvania P&L: Mandatory insulation levels before electric service is connected to a new home are proposed May 15 19
Southern California Edison: Shrink tubing beats taping May 15 78
TVA home insulation made from boiler slag is examined by TVA and an unnamed insulation manufacturer June 1 15
UNDERGROUND DISTRIBUTION SPECIAL REPORT: Improvements in cable insulation May 1 55

INSULATORS

Experience with nonporcelain insulators--Part I Jan 1 53
Florida P&L:Post insulator bases prevent cascading failures Jan 1 51
Israel Electric Corp: Ribless insulators shun dirt in arid climes Feb 1 58
Westinghouse: Porcelain substitute (Polysil) for insulators to undergo testing Feb 1 57

INSURANCE

Public power systems move to counter insurance crunch Apr 15 25
Will the insurance crunch wipe out munis--Pt I Apr 15 39
Pt II May 1 41

INTERCONNECTIONS

Eyes are on Texas (Texas interconnection dispute) Mar 15 6
Feuding ERCOT companies can now add a FERC staff report as fuel to the flame the controversial interconnection war for a few more years May 1 21
Integrated expanding power system within Texas would save ratepayers $7 billion by 1995 if ERCOT were to be linked interstate with Southwest Power Pool Feb 15 20
Interconnection of five Balkan countries would save 1,370 MW in installed capacity May 1 21
Manitoba Hydro: EHV link to promote diversity exchange Mar 15 130

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LABOR

Coal situation worsens for Midwest utilities as UMW refuses to settle strike Mar 1 15
DOE: Beyond the coal strike Apr 1 6
Electrical workers seek fringes, cost of living hikes Mar 1 23
FERC makes field audits of 11 utility billings resulting from coal strike May 1 24
Four IBEW locals in Pacific Northwest get a portable pension plan for T&D workers Apr 1 15
Fuel crisis doesn't end with strike Mar 15 30
National Contractors Assn: Labor agreement to cut time and costs in power plant construction is reached by eight construction unions and NCA June 15 15
Labor agreement will reduce construction time for nuclear plants May 15 17
Ohio Edison: Utilities affected by coal strike try to recover fuel and wheeling costs from customers Apr 15 23
Portland GE: Most of 700 workers hired in recent years were needed to meet state and federal government requirements May 15 17
Public Service Co of New Hampshire: Unions must give up costly restrictive clauses if they are to compete with open shop contractors May 15 17
Puerto Rico Water Resources Authority: Puerto Rico public opinion is inflamed by union sabotage in a strike that has caused blackouts and other problems for two months Feb 15 19
Southern California Edison: Some 1,100 members of Utility Workers Union of America Local 246 remain on strike for a new contract at 10 generating stations June 15 15
United Mine Workers: Utilities fat with coal as miners strike Jan 1 25

LEARNING CURVE

Counter demonstration against Clamshell Alliance

in NJ was that investor owned electric utilities can no longer afford to take position when the antinukes are in town Jan 15 35
How to light up a speech Apr 1 41
How to make a business meeting pay Feb 15 41
How to spot the right employee Mar 15 61
How to succeed in business--safely June 15 33
Management by objectives: A distilled version Feb 1 47
Of cabbages and kings and updating skills May 15 43
A philosophy for working engineers (Philip Sporn's death) Mar 1 41
Rundown of various books Apr 15 45
Sacramento Municipal Utility District: Injured employees who are able to return to limited work schedule while they recuperate are serving important purpose at SMUD Jan 1 33
Time: Paradoxes and pointers May 1 47

LEGISLATION

California: Voters of Kern County turn down nuclear plant construction in their county Apr 1 15
Commercial pricing of enrichment services suffered another setback in the House May 15 17
DOE nuclear budget Apr 1 24
DOE proposes legislation to shorten time of nuclear plant construction Apr 15. 23
Dissent hits Northwest power plan May 1 35
Duke Power: Breeder reactor is vital to US economy and standard of living Mar 1 15
Editorial: Time to fish or cut bait June 15 3
Energy tax bill hinges on gas bill passage May 1 33
Florida Power: Utility ceases taping customer phone calls Apr 1 24
Iowa. State legislature interest in nuclear waste disposal has growth at a phenomenal rate May 15 26
Legislation that would permit slurry pipelines to seek the right of eminent domain in competing with railroads to transport coal approved by House Apr 1 49
New Oregon law creates domestic and rural power authority to siphon BPA power from 1-million Oregon customers Jan 15 15
Ohio Senate passes bill intended to increase use of Ohio mined coal and give state government more control over energy Feb 1 52
Pacific G&E: Report to Congress examines future water use June 1 23
President and DOE Secretary Schlesinger switch their position on the Energy Bill Apr 1 13
San Diego G&E: Things look a little brighter for Sundesert Plant Feb 15 17
Senate House conferees agree on one part of the Energy Bill Jan 1 17
TVA tosses in winds of change June 1 24
A thread of red tape hinders cogeneration June 15 23
Washington Comment: Taming the FERC beast Apr 15 6
Washington Comment: Utilities and the feds June 15 4
Women gain as regulatory bodies revamp Apr 15 32

LITIGATION

AEP's operating comapnies file suit against federal government on the Blue Ridge project Mar 15 21
BPA: Portland,Ore, has legal standing in its suit against BPA June 15 16
California Community TV Assn sues Pacific G&E for $240-million for allegedly violating state antitrust laws by charging excessive rates for joint-use poles May 1 23

California PUC: Consumer groups must pay their own attorney fees in California PUC appearances Apr 1 16
Cleveland Electric Illuminating: City of Cleveland must pay $13.5-million to CEI for power purchases says US Court of Appeals Mar 15 22
Colorado PUC has jurisdiction over munis outside a city's boundaries but not within city limits June 1 16
Florida Power Corp sues major contractors for delays and equipment failures at Crystal River nuclear plant June 15 16
Florida P&L: Florida judge calls recently passed electricity theft law unconstitutional. Feb 1 19
Florida P&L is suing Westinghouse for supplying allegedly faulty equipment in two of its nuclear plants June 15 26
Florida P&L sues Westinghouse charging breach of warranty including steam supply system leaks and pipe plugging in two nuclear plants at Turkey Point June 15 16
Florida utilities sue EPA for rejecting heated water discharge standards Mar 15 21
Indiana & Michigan Electric Co: US Supreme Court refuses to interfere in a muni antitrust action involving price squeeze charges against I&M June 15 16
Louisiana P&L: Munis don't have automatic exemption from antitrust laws says US Supreme Court in battle between Louisiana P&L and cities of Lafayette and Plaquemine May 1 23

Massena, NY, wins a court round in its battle with Niagara Mohawk to become a muni Jan 15 18
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